

Form PTO 1449 Rev. 7-80	U.S. Department of Commerce Patent and Trademark Office LIST OF PRIOR ART CITED BY APPLICANT (Use Several Sheets If Necessary)	Atty. Docket No. Mo5856D2/LeA 32,759D2	Serial No. To be Assigned 10/777,528
		Applicant Folker Lieb et al	
		Filing Date Herewith	Group 1625

U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
<i>mpd</i>	AA	6,358,887 B1	03/19/02	(Bel. to corresp. to DE Fischer et al	195,43,864) 504	284	
	AB						
	AC						
	AD						
	AE						
	AF						
	AG						
	AH						
	AI						
	AJ						
	AK						

FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
							Yes	No*
	AL							
	AM							
	AN							
	AO							
	AP							

OTHER PRIOR ART (Including Author, Title, Date, Pertinent Pages, Etc.)

<i>mpd</i>	AR	Merck Index, 11 th ed., Merck & Co. Rahway, page 3312, Compound No. 3314, (month unavailable) 1989
	AS	
	AT	

EXAMINER <i>Anna W. Davis</i>	DATE CONSIDERED 10/24/2005
EXAMINER Initial if references considered, whether or not citation is in conformance with MPEP 609: Draw line through if not in conformance and not considered. Include copy of this form with next communication to applicant.	

Neither English Language Equivalent nor an English Language Translation is available.

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U.S. PATENT DOCUMENTS

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md	AA	4,104,043	08/01/78	(Bel. to corresp. to DE Durden, Jr. et al	2,361,084) 71	107	
	AB	4,175,135	11/20/79	Haines	424	311	
	AC	4,209,432	06/24/80	(Bel. to corresp. to DE Roth	2,813,341) 260	29.2 M	
	AD	4,256,657	03/17/81	(Bel. to corresp. to DE Wheeler	2,813,341) 260	465 D	
	AE	4,256,658	03/17/81	(Bel. to corresp. to DE Wheeler	2,813,341) 260	465D	
	AF	4,256,659	03/17/81	(Bel. to corresp. to DE Wheeler	2,813,341) 260	465D	
	AG	4,257,858	03/24/81	(Bel. to corresp. to DE Wheeler	2,813,341) 204	158R	
	AH	4,283,348	08/11/81	Wheeler	260	465D	
	AI	4,303,669	12/01/81	D'Silva	424	282	
	AJ	4,338,122	07/06/82	Wheeler	71	122	
md	AK	4,351,666	09/28/82	Koerwer	71	106	

FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
							Yes	No*
md	AL	*96/25395	08/22/96	World Patent				
	AM	*196 49 665	10/09/97	Germany				
	AN	*44 31 730	08/10/95	Germany				
	AO	*195 43 864	08/14/96	Germany				
md	AP	*442,077	08/21/91	Europe				

OTHER PRIOR ART (Including Author, Title, Date, Pertinent Pages, Etc.)

md	AR	Chem. Pharm Bull., 15, (month unavailable), 1967, Pages 1120-1122, Seikichi Suzuki, et al, "Studies on Antiviral Agents. M ¹ Biological Activity of Tenuazonic Acid Derivatives"
md	AS	Liebigs Ann. Chem. (month unavailable), 1985, Pages 1095-1098, Roland Schmierer et al, "Cyclisierung von N-Acylalanin- und N-Acylglycinestern"
md	AT	J. Chem. Soc. Perkin Trans. 1, (month unavailable), 1985, Pages 1567-1576, A. C. Campbell et al, "Synthesis of (E)- and (Z)-Pulvinones"

EXAMINER <i>Anna N. Carr</i>	DATE CONSIDERED 10/24/2005
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U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
md	AA	4,409,153	10/11/83	Hodakowski	260	946	
	AB	4,422,870	12/27/83	(Bel. to corresp. to DE Wheeler	2,813,341 71	106	
	AC	4,436,666	03/13/84	Wheeler	260	455 B	
	AD	4,526,723	07/02/85	Wheeler et al	260	410.5	
	AE	4,551,547	11/05/85	Wheeler	560	255	
	AF	*4,613,617	08/23/86	Sousa	514	521	
	AG	4,632,698	12/30/86	Wheeler	71	106	
	AH	4,659,372	04/21/87	(Bel. to corresp. to DE Wheeler	2,813,341 71	106	
	AI	4,925,868	05/15/90	(Bel. to corresp. to EP Terao et al	262,399 514	425	
	AJ	4,985,063	01/15/91	(Bel. to corresp. to EP Fischer et al	355,599 71	88	
	AK	5,045,560	09/03/91	(Bel. to corresp. to EP Fischer et al	377,893 514	425	

FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
							Yes	No*
md	AL	*96/20196	07/04/96	World Patent				
	AM	*521,334	01/07/93	Germany				
	AN	*97/14667	04/24/97	World Patent				
	AO	2,266,888	05/08/93	Great Britain				
md	AP	95/20572	08/03/95	World Patent				X

OTHER PRIOR ART (Including Author, Title, Date, Pertinent Pages, Etc.)

md	AR	J. Heterocycl. Chem., 25 (5), Sept-Oct, 1988, Pages 1301-1305, G. Zvilichovsky, "Crystal Structure, Dissociation and Zwitterion Formation in 2,6-Diaryl-1(3)-oxo-3(1)-hydroxy-5(7)-imino-7(5)-amino-1H,5H-(3H,7H)-pyrazolo[1,2-a]pyrazoles"
md	AS	J. Heterocycl. Chem., 25 (5), Sept-Oct, 1988, Pages 1307-1310, G. Zvilichovsky, "Acidity and Alkylation of 4-Phenyl-3,5-dihydroxy-pyrazole and Its Derivatives. C versus O and N Alkylation"
md	AT	Zh. Obshch. Khim., 34 (7), (month unavailable), 1964, Pages 239-240, Z. I. Miroshnichenko et al, "Cyanine Dyes, Derivatives of 2-Methyl 4,5-(2',3'-Thionaphtheno)Thiazole"

EXAMINER <i>John W Davis</i>	DATE CONSIDERED <i>10/24/2005</i>
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		Applicant Folker Lieb et al	
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U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
<i>md</i>	AA	5,091,537	02/25/92	(Bel. to corresp. to EP Fischer et al	355,599) 546	226	
	AB	5,094,681	03/10/92	(Bel. to corresp. to DE Krämer et al	4,014,420) 71	88	
	AC	5,116,836	05/26/92	(Bel. to corresp. to EP Fischer et al	415,211) 514	224.2	
	AD	5,142,065	08/25/92	(Bel. to corresp. to EP Fischer et al	355,599) 548	533	
	AE	5,186,737	02/16/93	(Bel. to corresp. to EP Fischer et al	377,893) 504	283	
	AF	5,207,817	05/04/93	(Bel. to corresp. to DE Krämer et al	4,014,420) 504	299	
	AG	5,225,434	07/06/93	(Bel. to corresp. to EP Bertram et al	442,073) 514	411	
	AH	5,258,527	11/02/93	(Bel. to corresp. to EP Krauskoph et al	456,063) 548	543	
	AI	5,262,383	11/16/93	(Bel. to corresp. to EP Fischer et al	528,156) 504	195	
	AJ	5,332,720	07/26/94	(Bel. to corresp. to EP Krüger et al	508,126) 504	281	
<i>md</i>	AK	5,358,924	10/25/94	(Bel. to corresp. to EP Krüger et al	508,126) 504	197	

FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
							Yes	No*
<i>md</i>	AL	96/21652	07/18/96	World Patent				
	AM	96/35664	11/14/96	World Patent				X
	AN	96/36229	11/21/96	World Patent				
	AO	96/36615	11/21/96	World Patent				
<i>md</i>	AP	96/25395	08/22/96	World Patent				X

OTHER PRIOR ART (Including Author, Title, Date, Pertinent Pages, Etc.)

<i>md</i>	AR	Farnakol Toksikol (Moscow), 38 (2), (month unavailable), 1976, Pages 180-186, K. M. Lakin et al, "The Effect of Some Pyrazolone Derivatives on the Aggregation of Thrombocytes" (abstract on page 186)
<i>md</i>	AS	Arch. Pharm. 309, (month unavailable) 1976, Pages 558-564, A. M. Chirazi et al, "Zur Synthese von Kawalactonderivaten"
<i>md</i>	AT	Chem. Bec., 91 (date unavailable), Page 2849, K.-H. Boltze et al, "Ringschlüsse mit Malonsäure-dichloriden"

EXAMINER <i>Anna Davis</i>	DATE CONSIDERED 10/24/2005
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EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
<i>md</i>	AA	5,462,913	10/31/85	(Bel. to corresp. to EP Fischer et al	596,298) 504	138	
	AB	5,494,890	02/27/96	(Bel. to corresp. to WO Cederbaum et al	92/16510) 504	281	
	AC	5,504,057	04/02/96	(Bel. to corresp. to EP Fischer et al	521,334) 504	283	
	AD	5,508,193	04/09/96	(Bel. to corresp. to WO Cederbaum et al	92/16510) 504	282	
	AE	5,565,450	10/15/96	(Bel. to corresp. to WO Fischer et al	94/14785) 514	227.2	
	AF	5,567,671	10/22/96	(Bel. to corresp. to EP Fischer et al	613,884) 504	283	
	AG	5,602,078	02/11/97	(Bel. to corresp. to EP Fischer et al	613,884) 504	283	
	AH	5,610,122	03/11/97	(Bel. to corresp. to EP Fischer et al	647,637) 504	251	
	AI	5,622,917	04/22/97	(Bel. to corresp. to EP Fischer et al	668,267) 504	283	
	AJ	5,661,110	08/26/97	(Bel. to corresp. to EP Krüger et al	508,126) 504	281	
<i>md</i>	AK	5,677,449	10/14/97	(Bel. to corresp. to EP Fischer et al	596,298) 544	165	

FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
							Yes	No*
<i>md</i>	AL	96/02539	02/01/96	World Patent				X
	AM							
	AN							
	AO							
	AP							

OTHER PRIOR ART (Including Author, Title, Date, Pertinent Pages, Etc.)

<i>md</i>	AR	Monatsh, 95 (month unavailable) 1964, Pages 147-155, E. Ziegler et al, "Synthesen von Heterocyclen, 52. Mitt.: "Über Derivate des 2-Phenyl-4-hydroxy-[1,3-thiazinons-(6)]"
<i>md</i>	AS	Heterocycl. Chem., 10, April, 1973, Pages 223-224, Roger Ketcham et al, "Synthesis of Heterocycles. 174 (1,2) Substituted Thiazines and Bisthiazinyls from Dithiooxamide and Trichlorophenyl Malonates"
<i>md</i>	AT	Tetrahedron, Vol. 48, (month unavailable), 1992, Pages 7519-7526, J. Micklefield et al, "Alkylation and Acylation of 5-Phenylsulphonyl- and 5-Cyanobutyrolactones"

EXAMINER <i>John W. Davis</i>	DATE CONSIDERED <i>10/24/2005</i>
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EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
md ↑	AA	*5,719,310	02/17/98	Fischer et al	560	83	
	AB	5,739,389	04/14/98	(Bel. to corresp. to EP Krüger et al	508,126) 562	489	
	AC	5,780,394	07/14/98	(Bel. to corresp. to EP Krüger et al	508,126) 504	281	
	AD	5,808,135	09/15/98	(Bel. to corresp. to WO Fischer et al	96/03366) 560	129	
	AE	5,830,826	11/03/98	(Bel. to corresp. to WO Fischer et al	95/26954) 504	195	
	AF	5,840,661	11/24/98	(Bel. to corresp. to WO Fischer et al	96/01798) 504	348	
	AG	5,945,444	08/31/99	(Bel. to corresp. to WO Fischer et al	95/26345) 514	445	
	AH	5,977,029	11/02/99	(Bel. to corresp. to WO Fischer et al	97/16436) 504	292	
	AI	5,994,274	11/30/99	(Bel. to corresp. to WO Fischer et al	97/02243) 504	282	
	AJ	6,057,352	05/02/00	(Bel. to corresp. to WO Brown et al	96/36616) 514	384	
md ↓	AK	6,071,937	06/06/00	(Bel. to corresp. to WO Bretschneider et al	97/19941) 514	336	

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							Yes	No*
	AL							
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	AN							
	AO							
	AP							

OTHER PRIOR ART (Including Author, Title, Date, Pertinent Pages, Etc.)

md	AR	J. Chem. Soc. (C), (month unavailable), 1967, Pages 405-409, R. L. Edwards et al, "Constituents of the Higher Fungi, Part IV. Involutin, A Diphenylcyclopenteneone from <i>Paxillus involutus</i> (Oeder ex Fries)"
md	AS	J. Economic Entomology, Vol. 66, (month unavailable), 1973, Pages 584-586, A. A. Sousa et al, "Esters of 3-Hydroxy-2-Arylindones, A New Class Of Acaricide"
md	AT	J. Org. Chem., Vol. 44, (month unavailable), 1979, Pages 4906-4912, T. N. Wheeler, "Novel Photochemical Synthesis of 2-Aryl-1,3-Cyclohexanediones"

EXAMINER <i>John W Davis</i>	DATE CONSIDERED 10/24/2005
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Hand	AA	6,096,895	08/01/00	(Bel. to corresp. to WO Brown et al	96/36633) 548	110	
	AB	6,110,872	08/29/00	(Bel. to corresp. to WO Lieb et al	97/01535) 504	284	
	AC	6,114,374	09/05/00	(Bel. to corresp. to WO Lieb et al	97/01535) 514	424	
	AD	6,140,358	10/31/00	(Bel. to corresp. to WO Lieb et al	97/36868) 514	425	
Hand	AE	6,150,304	11/21/00	(Bel. to corresp. to WO Fischer et al	96/01798) 504	309	
	AF						
	AG						
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	AK						

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	AM							
	AN							
	AO							
	AP							

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Hand	AR	J. Chem. Soc. (C), (month unavailable), 1967, Pages 405-409, R. L. Edwards et al, "Constituents of the Higher Fungi, Part IV. Involutin, A Diphenylcyclopenteneone from <i>Paxillus involutus</i> (Oeder ex Fries)"
Hand	AS	J. Economic Entomology, Vol. 66, (month unavailable), 1973, Pages 584-586, A. A. Sousa et al, "Esters of 3-Hydroxy-2-Arylindones, A New Class Of Acaricide"
Hand	AT	J. Org. Chem., Vol. 44, (month unavailable), 1979, Pages 4906-4912, T. N. Wheeler, "Novel Photochemical Synthesis of 2-Aryl-1,3-Cyclohexanediones"

EXAMINER <i>Shirley N. Davis</i>	DATE CONSIDERED 10/24/2005
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